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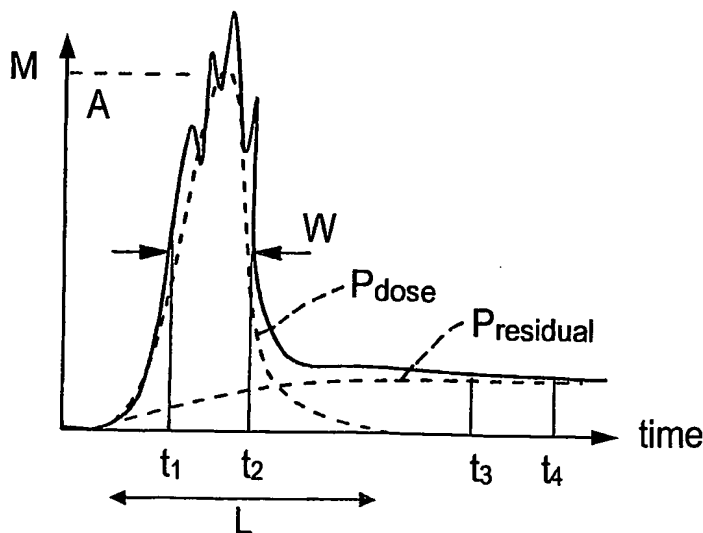
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(54) Title: **DEVICE FOR PULMONARY DRUG DELIVERY**



(57) Abstract: A method of assessing the effectiveness of pulmonary drug delivery, comprising the steps of: a) providing a drug into an air flow past a sensor comprising a radiation source and a radiation detector; b) detecting, at the radiation detector, incident radiation over a period of time as a measurement profile; c) quantifying at least one characteristic of the shape of a measurement profile; and d) producing an indication of the effectiveness of pulmonary drug delivery based upon the at least one quantified characteristic.

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